


MATERIAL SAFETY DATA SHEET

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MSDS No. 9503404 9503406
9509806
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	n-Amyl Alcohol	<p>416-984-3000</p> <p>NFPA</p>  <p>HAZARD RATING</p> <table border="1"> <tr> <td>Minimal</td> <td>Slight</td> <td>Moderate</td> <td>Serious</td> <td>Severe</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>WHMIS</p> <table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>2</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	Minimal	Slight	Moderate	Serious	Severe	0	1	2	3	4	Health	2	Flammability	2	Reactivity	1
Minimal	Slight		Moderate	Serious	Severe													
0	1		2	3	4													
Health	2																	
Flammability	2																	
Reactivity	1																	
Chemical Synonyms	1-Pentanol; Pentyl Alcohol																	
Formula	CH ₃ (CH ₂) ₃ CH ₂ OH																	
CAS No.	71-41-0																	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
n-Amyl alcohol: (CAS No. 71-41-0)	100%	N/A
WARNING! FLAMMABLE!		

SECTION III PHYSICAL DATA

Melting Point (°C)	-79°C	Specific Gravity (H ₂ O = 1)	0.813 @ 20°C
Boiling Point (°C)	133.0°C	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	2 mm @ 20°C	Evaporation Rate (Butyl acetate = 1)	0.23
Vapor Density (Air=1)	3.04		
Solubility in Water	2.7 grams per 100 mL @ 22°C		
Appearance & Odor	Clear liquid; mild odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	33°C (Closed cup)	Flammable Limits in Air % by Volume	Lower 1.2%	Upper 10%
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.			

Flammability and Explosion Hazards	The product is flammable. Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly. Fire or excessive heat may produce hazardous decomposition products.
	Autoignition Temperature: 300°C

TDG	Class 3 Flammable liquid. UN 1105
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

MS FLAM Cab

SECTION V REACTIVITY DATA AA0349

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	Oxidizing materials.
	No		

Hazardous Decomposition Products	These products are carbon oxides.
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Reactive under what conditions	Keep away from heat and sources of ignition.
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SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion. Inhalation.
TLV	N/A
Toxicity for animals	LD50: 2200 mg/Kg Oral rat
Chronic effects on humans	There are no known effects from chronic exposure to this product. Target organs: Central nervous system, eyes, liver, kidneys.
Acute effects on humans	Harmful if inhaled or swallowed. Irritating to the eyes, skin and respiratory system.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition.
Precautions	Do not breathe gas, fumes, vapor or spray. Avoid contact with skin and eyes. Use with adequate ventilation. Do not ingest. If ingested, seek immediate medical attention.
Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Protective Clothing	Safety glasses. Lab coat. Vapor respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures	Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.
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SECTION IX PREPARATION OF THE MSDS

Rev. No.	5	Date	December 1, 2005	Approved	Michael Raszeja
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